

CONTOUR LARGE DIAMETER FILTER CARTRIDGE

AMAZON FILTERS LTD.

CONTOUR spun bonded cartridge filters utilise the very latest in high strength fibre production to create a large diameter core-free element. Engineered to operate in high flow applications, the high capacity, low pressure loss media is an ideal choice for use in a wide range of water and chemical processes. No resins, binders or other materials are used in the manufacturing process, this results in a fibre free, uncontaminated process fluid.

Utilising the housings own integral support core, this cartridge shows excellent performance in terms of life, disposal costs and overall cost effectiveness when compared to conventional cartridges.

CONTOUR cartridges are produced using a unique manufacturing process resulting in the following features:

High Efficiency Filter Media

- Available from 10 to 100 µm+
- Consistent reliable performance

Unique Construction

- Core-free design
- Free from resin binders
- High void volume, resulting in low clean Δp and excellent dirt holding capacity
- Thermally bonded fibre matrix stops fibre migration
- One piece construction up to 1010 mm (40")

Manufacturing Properties

- 100% Polypropylene or Nylon throughout
- No resins, binders or anti-static agents
- Wide chemical compatibility
- High temperature resistance
- True graded density for enhanced life

CONTOUR fibres are blown continuously onto a central production mandrel, without the need for resin binders or lubricants. This results in a one piece, core-free construction that is resistant to unloading and media shedding. True depth filtration results from the closely controlled manufacturing process and environment, which also ensures a consistent and reliable high quality element.

Two standard size elements are available, 505 mm (20") and 1010 mm (40"), double open ended format.

CONTOUR FEATURES AND BENEFITS

- Consistent and reliable performance and efficiency
- No resin binders - thermal bonding process stops media migration and ensures minimal extractables
- Identification imprinted on every cartridge
- Graded density structure for maximum dirt holding capacity
- Increased void volume giving high flow rates and low initial pressure losses
- Wide chemical compatibility, using 100% polypropylene or nylon media
- Range of ratings from 10 to 100 µm+



TECHNICAL DATA

Materials of Construction

Filter Media: Polypropylene or Nylon

Dimensions

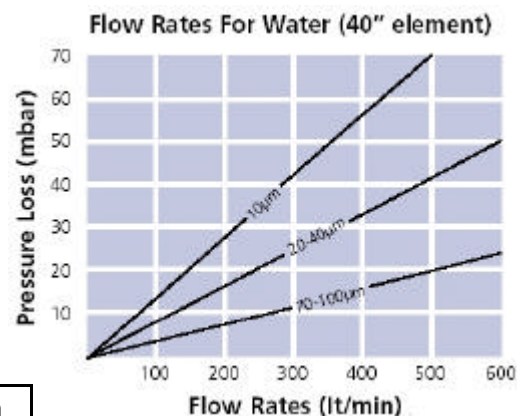
Length: 505 and 1010 mm

Outside Diameter: 152 mm

Inside Diameter: 114 mm

Maximum Operating Conditions

	Polypropylene	Nylon
Recommended Δp @ 20°C	1,5 bar	1,5 bar
Maximum Δp @ 20° C	3,0 bar	3,0 bar
@ 50° C	1,5 bar	2,5 bar
@ 80° C	0,25 bar	1,0 bar



Ordering Guide

14 ○ ○ ○ ○ - ○ ○ ○ ○ P

Media
P - Polypropylene
N - Nylon

Core Material
W - Without core

Micron Rating
010 - 10 µm
020 - 20 µm
030 - 30 µm
040 - 40 µm
050 - 50 µm
070 - 70 µm
100 - 100 µm

Length
20 - 505 mm
40 - 1010 mm

Connections
N - None (DOE)

Seal
N - None

Example:

14PW020-40NNP = Polypropylene Media, no core, 20 µm rating, Length 1010 mm (40") long without seal.

INDUSTRIES AND APPLICATIONS

Food and Beverage

Fine Chemicals

Petrochemicals

General Engineering

General Engineering Metal Finishing

Automotive

- Bottled water, Polishing lines, Powder trap filters
- Solvent trap filters
- Amine streams, Glycol solutions, Hydrocarbon (Kerosene), Wax based materials
- Return condensate
- Wash systems, Feed waters
- Electrophoretic paints, Phosphate lines, Pre treatment rinse

The manufacturer reserve the right to change specification without prior notice, as part of their continuous product development programme. (14PW/05.2003)